

Title (en)  
DEVICE AND METHOD FOR PROTECTION OF IOS SOFTWARE MODULES

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM SCHUTZ VON IOS-SOFTWAREMODULEN

Title (fr)  
DISPOSITIF ET PROCEDE DE PROTECTION DE MODULES DE LOGICIELS IOS

Publication  
**EP 3104291 A1 20161214 (EN)**

Application  
**EP 15305876 A 20150609**

Priority  
EP 15305876 A 20150609

Abstract (en)  
Protecting a module intended to be executed by an executing device (120) that has an operating system and that is either genuine or jailbroken. An application provider device obtains (S20) a first version of the module (320) intended to be executed on a genuine executing device, the first version implementing a first software protection technique allowed by the operating system on the genuine device, obtains (S22) a second version of the application (330) intended to be executed on a jailbroken device, the second version implementing a second software protection technique not allowed by the operating system on the genuine device, obtains (S24) a jailbreak detection function (310) configured to determine whether a device executing the jailbreak function (310) is genuine or jailbroken, and to call the first version of the module in case the executing device is genuine and call the second version of the module in case the executing device is jailbroken and generates (S25) an application package (300) including the jailbreak detection function (310), the first version of the module (320) and the second version of the module (330), and that is output (S26) by an interface (113). Also provided are the module provider device, the application package and a storage support (130) storing the application package.

IPC 8 full level  
**G06F 21/14** (2013.01)

CPC (source: CN EP KR US)  
**G06F 8/71** (2013.01 - KR); **G06F 8/74** (2013.01 - KR); **G06F 21/1015** (2023.08 - CN); **G06F 21/12** (2013.01 - KR); **G06F 21/14** (2013.01 - CN EP US); **G06F 21/56** (2013.01 - US); **G06F 21/57** (2013.01 - US); **G06F 21/6281** (2013.01 - US); **G06F 21/64** (2013.01 - KR); **G06F 2221/033** (2013.01 - US)

Citation (search report)  
• [A] WO 2014191968 A1 20141204 - AUDITMARK S A [PT]  
• [A] CHENXI WANG ET AL: "Protection of software-based survivability mechanisms", FOUNDATIONS OF INTRUSION TOLERANT SYSTEMS, 2003 [ORGANICALLY ASSURED AND SURVIVABLE INFORMATION SYSTEMS] 2003, PISCATAWAY, NJ, USA, IEEE, 1 January 2003 (2003-01-01), pages 273 - 282, XP010681827, ISBN: 978-0-7695-2057-5, DOI: 10.1109/FITS.2003.1264939  
• [A] COLLBERG C ET AL: "A Taxonomy of Obfuscating Transformations", TECHNICAL REPORT DEPARTMENT OF COMPUTER SCIENCE UNIVERSITY OF AUCKLAND, XX, XX, no. 148, 1 July 1997 (1997-07-01), pages 1 - 36, XP002140038

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3104292 A1 20161214**; **EP 3104292 B1 20180418**; CN 106250728 A 20161221; EP 3104291 A1 20161214; ES 2668991 T3 20180523; JP 2017004528 A 20170105; KR 20160144921 A 20161219; PL 3104292 T3 20180831; US 2016364569 A1 20161215

DOCDB simple family (application)  
**EP 16172364 A 20160601**; CN 201610396826 A 20160607; EP 15305876 A 20150609; ES 16172364 T 20160601; JP 2016115671 A 20160609; KR 20160069723 A 20160603; PL 16172364 T 20160601; US 201615177067 A 20160608